

Table 8.4 Electricity Net Generation at Nonutility Power Producers, 1989-1999
(Billion Kilowatthours)

Year	Fossil Fuels				Other Gas ⁴	Nuclear Electric Power	Hydroelectric Pumped Storage ⁵	Renewable Energy								Total ¹¹
	Coal ¹	Petroleum ²	Natural Gas ³	Total Fossil Fuels				Conventional Hydroelectric Power	Geo-thermal	Wood ⁶	Waste		Wind	Solar ¹⁰	Total Renewable Energy	
											MSW ⁷ and LFG ⁸	Other Waste ⁹				
1989 ¹²	30.2	5.5	R97.3	R133.0	(13)	(s)	0.0	R8.6	R5.5	26.8	R7.5	R1.5	R2.3	R0.6	R52.8	R187.6
1990 ¹²	30.7	7.0	R114.3	R152.0	(13)	0.1	0.0	R9.6	R7.2	29.6	R10.1	R1.8	R3.0	0.6	R62.0	R216.7
1991 ¹²	38.8	7.5	R128.4	R174.7	(13)	0.1	0.0	R9.4	R8.0	32.4	R11.7	R2.8	R3.0	0.8	R68.0	R246.3
1992	45.2	10.5	154.4	210.1	(13)	0.1	0.0	9.4	8.3	34.8	13.3	3.2	2.9	0.7	72.5	286.1
1993	50.9	12.8	169.5	233.2	(13)	0.1	0.0	11.4	9.5	35.9	13.8	3.7	3.0	0.9	78.1	314.4
1994	56.2	14.5	174.8	R245.5	12.1	0.1	0.0	13.1	9.8	37.0	14.6	3.2	3.4	0.8	82.1	343.1
1995	57.3	14.4	191.2	R262.9	R13.5	0.0	0.0	14.6	9.6	35.8	16.0	3.2	3.2	0.8	83.2	363.3
1996	58.3	14.3	193.1	R265.7	R14.2	0.0	0.0	16.4	9.9	36.0	15.5	R4.0	3.4	0.9	R86.0	369.6
1997	R56.3	R15.3	R201.8	R273.4	R11.2	0.0	0.0	17.7	R9.1	R33.5	R16.6	R2.7	R3.2	0.9	R83.7	R371.7
1998	R66.5	R16.8	R231.4	R314.7	R8.5	0.0	0.0	R14.5	R9.5	R31.1	R17.1	R2.9	R3.0	0.9	R78.9	R405.7
1999 ^P	117.2	25.9	E248.4	391.5	E9.1	2.9	-0.1	12.0	12.5	41.1	E18.7	E3.1	3.6	0.3	91.4	494.8

¹ Coal, fine coal, anthracite culm, bituminous gob, lignite waste, tar coal, waste coal, and coke breeze.

² Fuel oil nos. 1, 2, 4, 5, and 6, crude oil, petroleum coke, kerosene, liquid butane, liquid propane, methanol, liquid byproducts, oil waste, sludge oil, and tar oil.

³ Includes waste heat and waste gas.

⁴ Butane, propane, blast furnace gas, coke oven gas, refinery gas, and process gas.

⁵ Pumped storage facility production minus energy used for pumping.

⁶ Wood, wood waste, black liquor, red liquor, spent sulfite liquor, pitch, wood sludge, peat, railroad ties, and utility poles.

⁷ Municipal solid waste.

⁸ Landfill gas.

⁹ Methane, digester gas, liquid acetonitrile waste, tall oil, waste alcohol, medical waste, paper pellets, sludge waste, solid byproducts, tires, agricultural byproducts, closed loop biomass, fish oil, and straw.

¹⁰ Solar thermal and photovoltaic energy.

¹¹ Data prior to 1999 include hydrogen, sulfur, batteries, chemicals, and purchased steam, which are not separately displayed on this table. Data for 1999 exclude these components.

¹² Data for 1989-1991 were collected for facilities with capacities of 5 megawatts or more. In 1992, the threshold was lowered to include facilities with capacities of 1 megawatt or more. Estimates of the 1-to-5 megawatt range for 1989-1991 were derived from historical data. The estimation did not include retirements that occurred prior to 1992 and included only the capacity of facilities that came on line before 1992.

¹³ Included in natural gas.

R=Revised. P=Preliminary. E=Estimated. (s)=Less than 0.05 billion kilowatthours.

Notes: • Due to restructuring of the electric power sector, the sale of generation assets is resulting in reclassification of plants from electric utility to nonutility plants. • See Note 2 at end of section. • Totals may not equal sum of components due to independent rounding.

Web Page: <http://www.eia.doe.gov/fuelelectric.html>.

Sources: • 1989-1998—Energy Information Administration (EIA), estimated from Form EIA-860B, "Annual Electric Generator Report-Nonutility" and predecessor form. • 1999—EIA, *Electric Power Monthly* (March 2000), Tables 58-60.